

## INDIANA SUPER MILEAGE CAHLLERGE

### Special points of interest:

- New DOE Action Plan
- Upcoming Events
- Resources
- Help Wanted

# Indiana Tech Flash



Indiana's Most Comprehensive  
Newsletter & Resource for Engineering &  
Technology Education.



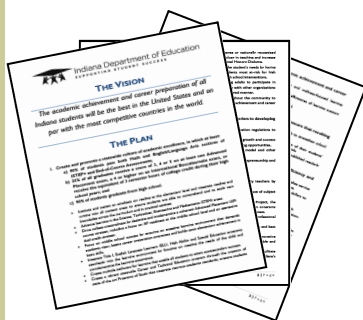
May 2009

## Indiana Department of Education Unveils New Action Plan



### THE VISION

The academic achievement and career preparation of all Indiana students will be the best in the United States and on par with the most competitive countries in the world.



### Key pillars of the plan include...

1. Create and promote a statewide culture of academic excellence...
2. Free Indiana schools from unnecessary regulations and eliminate other barriers to developing new and innovative structures for learning...
3. Improve instructional quality and enhance school governance and leadership...
4. Develop learning support systems that facilitate academic achievement and career preparation...
5. Establish high and clear standards for success, keep score, and ensure that resulting school accountability is transparent to the public...
6. Provide exceptional customer service while operating with optimal efficiency and aligning all available resources around student learning...

Please read see the entire  
plan and see the podcast at:

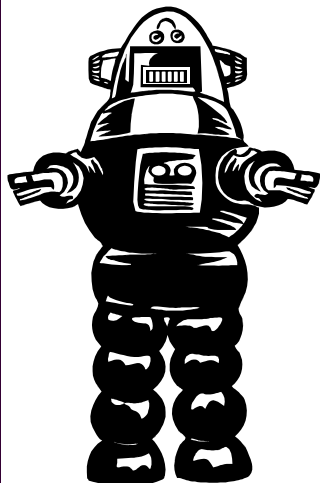
[http://www.doe.in.gov/  
actionplan/](http://www.doe.in.gov/actionplan/)

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## Upcoming Events

June 8-10	Indiana Robotics Educators Workshops - Evansville
June 15-26	PLTW Summer Training Institute - Kokomo
June 15-17	Indiana Robotics Educators Workshops - Valparaiso
June 22 - 23	FREE Pro/ENGINEER 3D CAD Workshop – North Harrison MS
June 22-24	Indiana Robotics Educators Workshops - Kokomo
June 29-July 1	Indiana Robotics Educators Workshops - Bloomington
July 6-17	PLTW Summer Training Institute - Kokomo
July 13-15	Indiana Robotics Educators Workshops - Columbus
July 20-22	Indiana Robotics Educators Workshops - Terre Haute
July 27-29	Indiana Robotics Educators Workshops - Fort Wayne
August 3-5	Indiana Robotics Educators Workshops - Indianapolis



### Indiana Robotics Educators Workshops

Open to all Indiana middle and high school teacher in technical (STEM) fields and second year veterans. Third year participants are invited to attend at the Indianapolis Workshop August 3-5. All workshops will be held at the local Ivy Tech Community College campus.

June 8-10	Evansville
June 15-17	Valparaiso
June 22-24	Kokomo
June 29-July 1	Bloomington
July 13-15	Columbus
July 20-22	Terre Haute
July 27-29	Fort Wayne
August 3-5	Indianapolis

Need more information?  
Contact Dan Ward at  
[dward@ivytech.edu](mailto:dward@ivytech.edu) or  
765-459-0561 x385 for  
more details.

<http://jotform.com/>

## 'Think Green' challenges teachers

### 'Think Green' challenges teachers to start 'talking trash' in their classrooms

What happens to the waste we all produce? When does it make sense to recycle? Can trash become energy?

Teachers and their students can find answers to these questions and more at Think Green, a new K-12 resource from



Waste Management, powered by Discovery Education.

<http://www.thinkgreen.com/classroom>

## Food Technology Toolbox



### Food Technology Toolbox

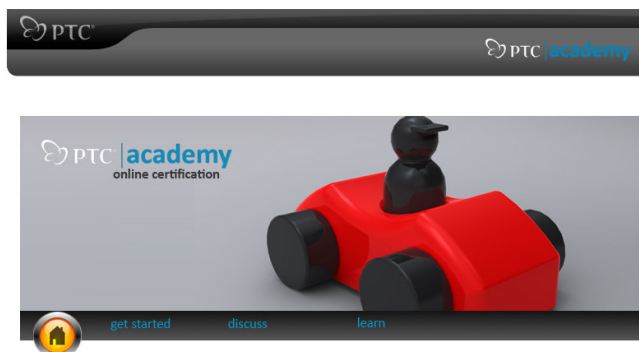
The Food Technology Toolbox is a document

that provides a framework and tools to support planned progression of Food Technology knowledge and skills from Years 7-13. The content provides a guide to assist teachers planning a Food Technology course over several years. Teachers can select appropriate knowledge and skills topics to apply to their programme to suit their

students' learning and school environment.

<http://www.techlink.org.nz/Case-studies/Classroom-practice/Teaching-Practice/cp807-food-technology-toolbox/index.htm>

## **FREE!** PTC Pro/Engineer Academy



### PTC Pro/Engineer Academy

Welcome to the PTC/ Academy learning portal. Here you will find self

directed and self paced tutorials to get you started using your FREE Pro/ENGINEER wildfire 4.0 license. If you are an educator: Why not complete the 'get started' module and apply for online certification! Formal accreditation allows you to obtain a 300 seat license to teach Pro/ENGINEER in your School!

<http://www.ptcacademy.com/>

## Discover Engineering as a Career with The JETS PathAssess™

### ASSESS...

...find your strengths,

... prepare for your future



Discover how your interests today can become your dream career of tomorrow! The JETS PathAssess™ is an online tool that gives students in grades 9-12 an inside look as to how their interests and skills

can align with a career in engineering.

Through a series of demographic and interest inventory questions, students will receive a personalized profile that gives them a glimpse into the types of engineering

careers they may wish to pursue.

<http://www.jets.org/programs/assess/index.cfm>

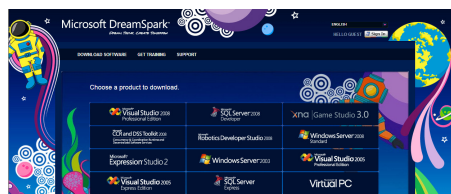


**National Science Foundation Teams with NASCAR to Reveal "The Science of Speed"**

Educators have a new way to engage students in grades 8-12; they can turn to NASCAR. A new online series of videos called "The Science of Speed" that reveals the sophisticated science and engineering underlying NASCAR racing. Teachers and students can download the videos for free from NSF's new web site.

<http://www.science360.gov/>

## Microsoft Expands FREE DreamSpark Program for HS students



Microsoft Corporation recently announced the expansion of the successful Microsoft DreamSpark student program to include high school students worldwide. DreamSpark,

originally available only to university students, makes professional-level developer and designer tools as

well as training available to students at no charge to support and advance their learning and skills through technical design, technology, math, science, and engineering activities. Here's how it

works: if you're a current university or high school student, you can download professional Microsoft developer, designer, and gaming software through DreamSpark at no charge!

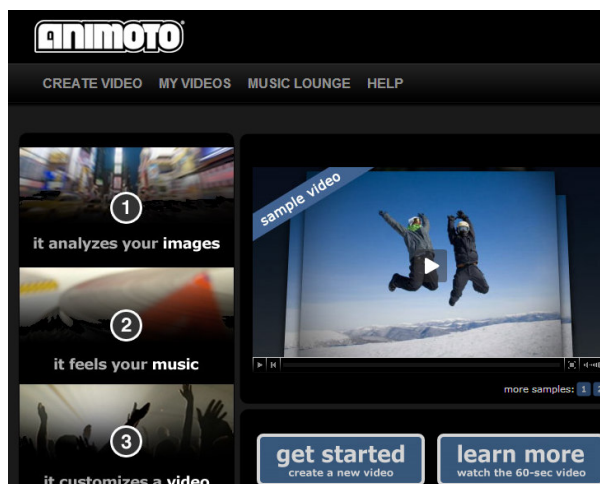
<https://www.dreamspark.com/default.aspx>

## ANIMOTO

### ANIMOTO

Animoto for Education was designed to support the unique needs of educators, and it's loaded with features that make it easy to create powerful, professional video in minutes.

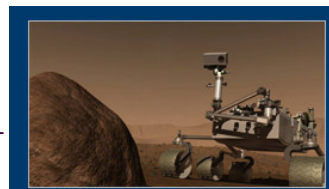
<http://animoto.com/>



### This is your chance to go to Mars!

Fill in your information below and your name will be included with others on a microchip on the Mars Science Laboratory rover heading to Mars in 2011!

<http://mars.jpl.nasa.gov/msl/participate/sendyourname/>





Indiana Department of Education  
SUPPORTING STUDENT SUCCESS

## THE VISION

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*The academic achievement and career preparation of all Indiana students will be the best in the United States and on par with the most competitive countries in the world.*

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## THE PLAN

- I. Create and promote a statewide culture of academic excellence, in which at least:
  - a) **90% of students pass both Math and English/Language Arts sections of ISTEP+ and End-of-Course Assessments;**
  - b) **25% of all graduates receive a score of 3, 4 or 5 on at least one Advanced Placement exam, a 4 or higher on an International Baccalaureate exam, or receive the equivalent of 3 semester hours of college credit during their high school years; and**
  - c) **90% of students graduate from high school.**
- Institute and sustain an emphasis on reading at the elementary level and integrate reading and writing into all content areas to ensure students are able to comprehend and to apply new knowledge across the curriculum and in practical settings.
- Advance learning in the Science, Technology, Engineering and Mathematics (STEM) areas.
- Drive college preparedness by designing and implementing a coherent Advanced Placement (AP) course strategy, including a focus on AP readiness at the middle school level and an aggressive dual-credit strategy.
- Focus on middle school success by ensuring an engaging learning environment that demands academic rigor, begins career preparation awareness and builds upon elementary achievement in basic skills.
- Integrate Title I, English Language Learners (ELL), High Ability and Special Education programs seamlessly into the learning environment by focusing on meeting the needs of the child and complementing the learning experience.
- Create multiple pathways for learning that enable all students to attain postsecondary success.
- Create a vibrant statewide Career and Technical Education program through the creation of state of the art Programs of Study that integrate rigorous academic standards, prepare students



for postsecondary education and lead to at least an associate degree or nationally recognized certification aligned with industry demand. Promote use of technology in teaching and increase the number of students who graduate with the Core 40 with Technical Honors Diploma.

- Ensure that every student has an academic experience that meets the student's needs by having a strong Alternative Education program that encourages our students most at-risk for high school failure by providing new opportunities for success and pre-high school interventions.
- Support an adult education program that is focused on preparing adults to participate in postsecondary education and employment, that works collaboratively with other organizations to leverage resources and that is delivered in an efficient student-centered manner.
- Engage key stakeholders across the education continuum and throughout the community to form meaningful collaborations that nurture the attitude that academic achievement and career preparation of Indiana students is the top priority of all.

## **2. Free Indiana schools from unnecessary regulations and eliminate other barriers to developing new and innovative structures for learning.**

- Review and revise all State Board of Education and Department of Education regulations to maximize flexibility.
- Expand the learning choices available for students through support for the growth and success of Charter schools, Freeway schools, early college programs and online learning opportunities.
- Support the expansion of the New Technology (New Tech) high school model and other innovative educational models.
- Foster student-centered and learning-focused educational innovation and entrepreneurship and champion models with a proven track-record of success.

## **3. Improve instructional quality and enhance school governance and leadership.**

- Pursue an aggressive legislative agenda to foster the retention of high-quality teachers by tackling discipline issues and other barriers to their success.
- Reform and deregulate existing licensing standards to encourage the appropriate use of subject matter experts in the classroom and in administrative positions.
- Increase the percentage of participants in Teach for America, The New Teacher Project, the Woodrow Wilson Teaching Fellowship initiative and other alternative certification programs that push the traditional bounds of teacher credentialing with marked, quantifiable success.
- Use Title II and related funding strategically to support relevant, effective professional development opportunities.
- Provide an effective executive leadership program focused on organizational leadership and best practices.
- Ensure that Department-sponsored professional development opportunities promote innovative strategies for instruction and are designed to impact instructional quality in a sustainable and measurable way.
- Institute a teacher portal to put longitudinal achievement data in the hands of teachers, facilitate the sharing of best practices and provide access to rich learning resources aligned with Indiana's academic standards.

**4. Develop learning support systems that facilitate academic achievement and career preparation.**

- Support the creation and maintenance of a safe, healthy and wellness-focused learning environment.
- Embrace innovative technologies and improve the operational efficiencies of learning support systems to facilitate student learning.
- Provide academic counseling that maximizes each student's potential.
- Pursue efficiencies in student transportation systems.

**5. Establish high and clear standards for success, keep score, and ensure that resulting school accountability is transparent to the public.**

- Pursue an aggressive legislative agenda and revise accreditation standards to strengthen school accountability.
- Provide parents and teachers with regular, fair and accurate assessments of their students' progress by instituting a transparent model for student growth and related tools.
- Develop a clear and concise report card for school progress, which will be published regularly and offer school-to-school comparisons.

**6. Provide exceptional customer service while operating with optimal efficiency and aligning all available resources around student learning.**

- Realign the Indiana Department of Education (IDOE) to improve coordination, localize service delivery, and ensure that the IDOE is the source authority for best practices in learning.
- Institute operational efficiencies to reduce administrative overhead and direct more dollars to innovative learning practices.
- Streamline necessary reporting.
- Automate licensing and other manual processes to facilitate faster, more accurate reporting.
- Institute a data warehouse and provide quality, timely analysis to enable effective decision-making at the state and local level.
- Develop and support the implementation of a statewide technology plan.
- Improve the IDOE communications system to minimize the time and effort it takes schools to receive assistance from the agency and to ensure consistent, high-quality responses to customer inquiries.

## INDIANA SUPER MILEAGE CHALLENGE

**Mike Fitzgerald**  
Technology Education Specialist  
Indiana Department of Education  
mfitzger@doe.state.in.us  
317-232-6990

It is the policy of the Indiana Department of Education not to discriminate on the basis of race, color, religion, sex, national origin, age, or disability, in its programs, activities, or employment policies as required by the Indiana Civil Rights Law (I.C. 22-9-1), Title VI and VII (Civil Rights Act of 1964), the Equal Pay Act of 1973, Title IX (Educational Amendments), Section 504 (Rehabilitation Act of 1973), and the Americans with Disabilities Act (42 USCS §12101, et. seq.).

Inquiries regarding compliance by the Indiana Department of Education with Title IX and other civil rights laws may be directed to the Human Resources Director, Indiana Department of Education, Room 229, State House, Indianapolis, IN 46204-2798, or by telephone to 317-232-6610, or the Director of the Office for Civil Rights, U.S. Department of Education, 111 North Canal Street, Suite 1053, Chicago, IL 60606-7204



**Indiana Department of Education**  
SUPPORTING STUDENT SUCCESS

[DOE Home](#) > [Job Bank Home](#) > School Personnel Job Bank

## School Personnel Job Bank

Formerly known as Professional Education Employee Referral (P.E.E.R.)

The Indiana Department of Education has created a new online job bank:

- 1) to help local schools post/manage open positions and
- 2) to help potential candidates search for available school personnel positions throughout Indiana.

*It is possible that some of the following positions have already been filled. These positions are posted by the Indiana Department of Education for three months or until they expire.*

05/05/09 - Miscellaneous (0)	05/04/09 - History / Social Studies (12)
05/04/09 - Administration (22)	05/01/09 - Mathematics (25)
05/01/09 - Arts and Music (15)	05/04/09 - Nursing and Health Services (7)
04/30/09 - Business (6)	05/04/09 - Science (25)
04/30/09 - Elementary Education / General Studies (31)	05/04/09 - Special Education (43)
04/27/09 - Engineering and Technology Education (3)	04/29/09 - Technology / Media and Library Media (4)
05/05/09 - English / Reading / Speech / Journalism (42)	04/29/09 - Vocational / Family and Consumer Science (4)
05/04/09 - Guidance / Social Work / Psychology (10)	05/01/09 - World Languages (22)
05/04/09 - Health/Physical Education/Sports (32)	

Close Date	Title/Position	Employment Type	Corporation	School	Action
07/08/2009	Founding Faculty: Full and Part-time Classroom Teacher(s)	Full Time	International School of Columbus	International School of Columbus	<a href="#">View</a>
07/08/2009	Founding Faculty: Full and Part-time Classroom Teacher(s)	Full Time	International School of Columbus	International School of Columbus	<a href="#">View</a>
07/27/2009	Firefighting Instructor	Full Time	M S D Washington Township	J Everett Light Career Ctr	<a href="#">View</a>

## ATTENTION NEW WEB ADDRESS

Please see the address below for the new Indiana School Personnel Job Bank!

<https://dc.doe.state.in.us/doeonline/jobbank/search.aspx>

